

DECLARATION AND POWER OF ATTORNEY

REGULAR OR DESIGN APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

USE OF N-SUBSTITUTED-1,5-DIDEOXY-1,5-IMINO-D-GLUCITOL COMPOUNDS IN COMBINATION THERAPY FOR TREATING HEPATITIS VIRUS INFECTIONS

the specification of which:

(check one)

	is attached hereto.
[X]	was filed on February 12, 1998 as Application Serial
	No. 09/023,401 , and was amended on N/A .
[]	was described and claimed in PCT International Application No.
	, filed on and as
	amended under PCT Article 19 on, if any.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a) - (d) or §365(b) of any foreign application for patent or inventor's certificate, or §365(a) of any PCT application which designates at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed

N/A				
(Numb	per) (Cour	ntry)	(Day/Month/Year Fil	ed)
(Numb	per) (Cour	ntry)	(Day/Month/Year Fil	ed)
(Numb	per) (Cou	ntry)	(Day/Month/Year Fil	ed)
	<u>Pr</u> :	iority Not	Claimed	
			SUBJECT MATTER WHICON FROM WHICH PRIOR	
(Numb	per) (Cou	ntry)	(Day/Month/Year Fil	ed)
	CLAIM FOR BENEFI	T OF PROVIS	SIONAL APPLICATION(S	3)
I hereby cla	aim the benefit un States provisional	der Title 3 application	s5, United States Con(s) listed below.	ode, §119(e) of
	1,221 oplication Number)		14 FEBRUARY 1997 (Filing Date)	
(Ap	oplication Number)		(Filing Date)	
CLAIM FOR	BENEFIT OF EARLI	ER U.S. APP	LICATION(S) UNDER 3	5 U.S.C. 120
			this is a divisional application)	al,
United State application insofar as to not disclose by the first the duty to defined in available be	designating the designating the designating the designating the designation and the subject matter do not be disclose information of the design of the desig), or §36 Jnited Stat of each of ted States le 35, Unite tion which of Federal late of the	5, United States Co (5)(c) of any PCT es of America, list the claims of this application in the ed States Code §112 is material to particular application a application:	international ited below and, application is manner provided, I acknowledge atentability as which became
N/A	(Filing Date)	/Ctatus:	patented, pending	abandoned\
(SELIAL INC	., (rilling Date)	(Status:	pacenced, pending	, abandoned)
(Serial No	(Filing Date)	(Status:	patented, pending	, abandoned)

POWER OF ATTORNEY

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Irving Powers (15,700), Donald G. Leavitt (17,626), John K. Roedel, Jr. (25,914), Michael E. Godar (28,416), Edward J. Hejlek (31,525), William E. Lahey (26,757), Richard G. Heywood (18,224), Frank R. Agovino (27,416), Kurt F. James (33,716), G. Harley Blosser (33,650), Paul I. J. Fleischut (35,513), Vincent M. Keil (36,838), Robert M. Evans, Jr. (36,794), Robert M. Bain (36,736), Joseph A. Schaper (30,493), Kathleen M. Petrillo (35,076), Rudolph A. Telscher, Jr. (36,032), Paul A. Stone (38,628), David E. Crawford, Jr. (38,118), Paul A. Maddock (37,877), Charles E. Cohen (34,565), Scott A. Williams (39,876), Richard L. Bridge (40,529), David M. Gryte (P-41,809), Christopher M. Goff (P-41,785), and Patrick A. Lujin (35,260).

Customer Number: 000321 Charles E. Cohen (314) 231-5400 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of sole or first inventor Gary S. Jacob Inventor's signature Residence The Total Name of Second joint inventor Timothy M. Block Second inventor's signature Residence Citizenship Date Residence Citizenship Post Office address Citizenship Citizenship Citizenship	Send Correspondence To:	Direct Telephone Calls To:
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Inventor's signature Residence 12541 MASON FOREST Citizenship M.J.A. Post Office address CREVE COEUR, MG 63141 MSA Full name of second joint inventor Timothy M. Block Second inventor's signature Date Residence Citizenship	true and that all statements made on be true; and further that these state willful false statements and the li imprisonment, or both, under Section Code and that such willful false sta	information and belief are believed to ments were made with the knowledge that ke so made are punishable by fine or 1001 of Title 18 of the United States tements may jeopardize the validity of
Second inventor's signature Date Residence Citizenship	Inventor's signature Residence 12541 MASON FOREST	Date Date Citizenship u.s.A
Residence Citizenship	Full name of second joint inventor _	Timothy M. Block
	Residence	

Full name of third joint inventor	Raymond A. Dwek
Third inventor's signature	Date Citizenship
Residence Post Office address	CTCTZCHSHIP



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[X]			Application	Serial
	No. $09/023,401$, and was amended on N			·
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N/A					
(Number)	(Countr	(y)	Day/Month/	Year Filed	<u>d)</u>
(Number)	(Countr	(Y) (Day/Month/	Year Filed	<u>a)</u>
(Number)	(Countr	(y) (Day/Month/	Year File	a)
	<u>Prior</u>	ity Not C	<u>laimed</u>		
ANY FOREIGN APPLICADATE EARLIER THAN TH					
(Number)	(Countr	(y)	Day/Month/	Year File	<u>d)</u>
CLAIM	FOR BENEFIT (OF PROVIS	IONAL APPLI	CATION(S)	
I hereby claim the lany United States pro-	rovisional ap			below. ARY 1997	de, §119(e) of
(Application	n Number)		(Filing	Date)	
CLAIM FOR BENEFIT	OF EARLIER	U.S. APPI	ICATION(S)	UNDER 35	U.S.C. 120
(comple	te this part continuatio				.,
I hereby claim the h United States application designations insofar as the subject not disclosed in the by the first paragrathe duty to disclosed in Title 3 available between the or PCT International	lication(s), ting the Uni ect matter of prior United the of Title se information 7, Code of the filing date	or §36 ted State each of d States a 35, Unite on which e of the p	5(c) of a es of Amer the claims application ed States Co is materia Regulation prior appli	any PCT ica, list of this a in the mande §112, al to pate state and cation and	international ed below and, application is anner provided I acknowledge entability as which became
N/A (Serial No.) (Fil	ing Date)	(Status:	patented,	pending,	abandoned)
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Send Correspondence To:	Direct Telephone Calls To:
Customer Number: 000321	Charles E. Cohen (314) 231-5400
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Full name of sole or first inventor	Gary S. Jacob
Inventor's signature Residence Post Office address	Citizenship
Full name of second joint inventor Second inventor's signature Residence 124 TOWNSHIP LINE POAR Post Office address JENKINTOWN,	Date 1998 Citizenship USA

Full name of third joint inventor	Raymond A. Dwek
Third inventor's signature	Date
Residence	Citizenship
Post Office address	



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N/A		
(Number)	(Country)	(Day/Month/Year Filed)
(Number)	(Country)	(Day/Month/Year Filed)
(Number)	(Country)	(Day/Month/Year Filed)
	Priority N	ot Claimed
ANY FOREIGN APPLICAT	ION(S), ON THE SA EARLIEST APPLIC	AME SUBJECT MATTER WHICH HAS A FILING ATION FROM WHICH PRIORITY IS CLAIMED
(Number)	(Country)	(Day/Month/Year Filed)
CLAIM F	OR BENEFIT OF PRO	OVISIONAL APPLICATION(S)
		le 35, United States Code, §119(e) of tion(s) listed below.
60/041,221 (Application	Number)	14 FEBRUARY 1997 (Filing Date)
(Application	Number)	(Filing Date)
CLAIM FOR BENEFIT	OF EARLIER U.S.	APPLICATION(S) UNDER 35 U.S.C. 120
(complete	e this part only continuation or	if this is a divisional, CIP application)
United States application designated insofar as the subject not disclosed in the by the first paragraph the duty to disclose defined in Title 37	ication(s), or ing the United S at matter of each prior United Stat oh of Title 35, U information wh , Code of Feder filing date of t	e 35, United States Code, §120 of any §365(c) of any PCT international states of America, listed below and, of the claims of this application is the claims of the manner provided nited States Code §112, I acknowledge ich is material to patentability as the prior application and the national his application:
N/A (Serial No.) (Fili	ng Date) (Stat	us: patented, pending, abandoned)
(Serial No.) (Fili	ng Date) (Stat	us: patented pending abandoned)

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true and that all statements made on be true; and further that these state willful false statements and the li imprisonment, or both, under Section	
Inventor's signature Residence Post Office address	Date Citizenship
Full name of second joint inventor $_$	Timothy M. Block
Second inventor's signature	Date
Post Office address	Citizenship
- CODE CITICE AUGICES	

Full	name	of	third	joint	inventor	Raymon	d A.	<u>Dwek</u>		· · · · · · · · · · · · · · · · · · ·
Third	inve	ento	or's si	ignatur	re	beatte	4			17. Aug. 1998
Resid	dence		AMBLES	IÕEL V	ERNON A	VENUE			Citizenship	UK.
Post	Offic	ce a	address	NORTI	H HINKSEY	OXFORD	OX2	L 9Au	ЧK	
					•					

LAB ADDRESS (FOR ALL CORRESPONDENCE)

The Oxford Glycobiology Institute
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The Rodney Porter Building
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South Parks Road
Oxford OX1 3QU